

Title (en)
LOW-TOLERANCE THREADED FASTENER

Title (de)
MIT ENGER TOLERANZ GEWINDE AUFWEISENDES BEFESTIGUNGSELEMENT

Title (fr)
FIXATION FILETEE A FAIBLE TOLERANCE

Publication
EP 1000249 A4 20000830 (EN)

Application
EP 98937707 A 19980731

Priority
• IB 9801295 W 19980731
• US 90622997 A 19970804

Abstract (en)
[origin: US6190101B1] A threaded fastener is having a raised area or bump on a thread flank. The flank can be positioned on the nut thread or on the bolt thread. The bump forces the mating threads at least on one flank to have near zero tolerances along the pitchline of the threads and thereby eliminating play. A threaded repair insert having at least one raised area on a threaded surface also is provided.

IPC 1-7
F16B 39/30

IPC 8 full level
B23G 1/16 (2006.01); **F16B 37/12** (2006.01); **F16B 39/30** (2006.01)

CPC (source: EP US)
F16B 39/30 (2013.01 - EP US); **Y10S 411/938** (2013.01 - EP US)

Citation (search report)
• [X] US 2301181 A 19421110 - ILSEMANN ERIC M
• See references of WO 9908005A2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
US 6190101 B1 20010220; BR 9811125 A 20001219; CA 2299238 A1 19990218; CA 2299238 C 20091027; EP 1000249 A2 20000517; EP 1000249 A4 20000830; JP 2001512807 A 20010828; US 5944465 A 19990831; WO 9908005 A2 19990218; WO 9908005 A3 19990514

DOCDB simple family (application)
US 35612899 A 19990717; BR 9811125 A 19980731; CA 2299238 A 19980731; EP 98937707 A 19980731; IB 9801295 W 19980731; JP 2000506460 A 19980731; US 90622997 A 19970804